

IN THE SPECIFICATION

Please add the following paragraph before the first paragraph beginning at page 1, line 1:

CROSS REFERENCE TO RELATED APPLICATION

This application claims the benefit of U.S. provisional application serial no. 60/432,974 filed December 12, 2002, which is incorporated herein by reference.

The present invention relates to multimedia streaming over a network. More particularly, the present invention relates to adapting the transmission rate of streamed multimedia to changing network conditions. Most particularly, the present invention introduces the concept of a "Virtual Clock" as a mechanism for a streaming server to perform dynamic transmission rate adaptation in a way that balances the bandwidth requirement of the content to be transmitted with the bandwidth available of the Internet.